Manjula Bashini Prabhu

Full Stack Software Engineer

Seattle, WA | prabhu.ma@husky.neu.edu | (253) 245 7208
https://manjulaprabhu.github.io/ManjulaPrabhu-Profile/

EDUCATION

M.S., Information Systems, Northeastern University, Seattle, WA (GPA: 3.8/4.0) Sep 2017-May 2019
Application Engineering and Development, Data Management and Database design, Program Structures and Algorithms, Web Tools and Methods, Cloud Computing and Network Structures, Engineering of Big data systems

B.Tech., Information Technology, SRM Easwari, Chennai, India (GPA: 8.2/10) Aug 2010-May 2014

TECHNICAL SKILLS

Programming: Java, HTML, CSS, JavaScript, React, Redux, ES6, VBScript
Databases: SQL, MongoDB, DynamoDB
Big Data Ecosystems: Hadoop, HDFS, MapReduce
Cloud Platforms: Google Cloud, AWS
Tools: IntelliJ, Android Studio, GitHub, SQL Server Management Studio, MySQL Workbench, Unified Functional Testing, Application Lifecycle Management

WORK EXPERIENCE

Graduate Teaching Assistant, Northeastern University, Seattle, WA Jan 2019-Present
Network Structures and Cloud Computing, Engineering of Big Data Systems
Review weekly exams and grade assignment submissions
Organize logistics for the class and be the point of contact for around 30 students in clarifying their course related queries

Front-End Engineer, OWLZ Corp, Seattle, WA May 2018-Aug 2018
Took the challenge of designing and developing the Front-end stack, with responsive component-based UI layouts using **ReactJS, HTML, CSS3**
Utilized **Node, NPM** as build/dependency management tools and **JIRA** as bug tracking/program management tool

Automation Test Engineer, Maveric Systems Ltd., Chennai, India Jun 2014-Dec 2016
Wrote highly maintainable and reusable Test Scripts using Unified Functional Testing tool
Designed and improved the automation framework, thereby the execution time of a complex flow Test case was reduced by 30%

ACADEMIC PROJECTS

University Management System Dec 2018
Developed a **RESTful** web service using **JAX-RS Jersey**, with APIs performing **CRUD** operations. Allowing students, professors and registrars to create, register and manage courses. Core technologies used were **DynamoDB** for persistence**, SNS** for email-notifications, **Lambda** for serverless computing and **Step functions** for orchestrating workflows

Big Data Analysis on Yelp's Dataset Dec 2018
Performed **MapReduce** analysis using algorithms such as finding **Top 'K' records**, **Sentiment Analysis**, **Secondary sorting**, **Distributed Grep**, **Join Analysis** on Yelp's dataset using **Hadoop** to derive insightful information on users, businesses and reviews

Price Comparison Web Tool Aug 2018
Developed an interactive web application for comparing prices of products sold online using the **MongoDB**, **Express**, **React** and **NodeJS** stack. Implemented functionalities such as sign in, sign up, adding and removing a product from wish list, searching a product for price comparison

Portfolio Aug 2018
Developed a responsive single-page portfolio site using **React** and hosted the site in GitHub pages

ACTIVITIES

Volunteered at the "Women In Tech Regatta" event and led the documentation of two of the speaker events Apr 2018
Organized a TEDx event for child psychology and sustainable farming at Chennai, India Jul 2013